

detecting means for detecting a high-frequency signal received by an antenna and for outputting the detected signal;

sampling means for sampling said detected signal with regard to a frequency higher than the clock frequency of said detected signal and for outputting sampled results; and

decoding means for decoding data transmitted by said high-frequency signal by use of the signal level distribution of said detected signal derived from said sampled results.

3. (amended) An IC card for receiving data transmitted by a reader/writer and for outputting data from an internal memory in return, said IC card comprising:

detecting means for detecting a high-frequency signal induced on an antenna and for outputting the detected signal;

sampling means for sampling said detected signal with regard to a frequency higher than the clock frequency of said detected signal and for outputting sampled results; and

decoding means for decoding the received data by use of the signal level distribution of said detected signal derived from said sampled results.

5. (amended) A reader/writer for receiving data transmitted by an IC card, said reader/writer comprising:

detecting means for detecting a high-frequency signal induced on an antenna and for outputting the detected signal;

sampling means for sampling said detected signal with regard to a frequency higher than the clock frequency of said detected signal and for outputting sampled results; and

decoding means for decoding said data by use of the signal level distribution of said detected signal derived from said sampled results.